32" Agora Smart LED TV

KALED32SMTZA

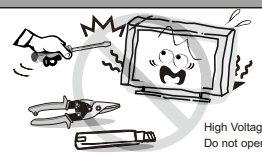
USER MANUAL

Important Safety Instructions and Maintenance

Important Safety Instructions

⚠ CAUTION

Risk of electronic shock, do not open.
Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards.
Refer all servicing to qualified service personnel.



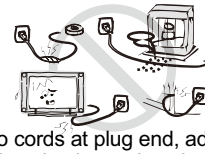
If the following problems occur:
Turn off the TV set and unplug the AC power cord immediately if any of the following problems occur.
Contact the Kogan Customer service centre to have it checked by qualified service personnel
When:
- AC power cord is damaged.
- Poor fitting of AC power outlet.
- TV set is damaged by being dropped, hit or having something thrown at it.
- Any liquid or solid object falls through openings in the cabinet.

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.
The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

The screen and cabinet get warm when the TV is in use. This is not a malfunction. In case of smoke, strange noise or strange smell from the unit:
· Turn off the power switch immediately;
· Disconnect the power plug from the power outlet;
· Contact the Kogan customer service centre. Never attempt to make repairs yourself because this could be dangerous.

Never push objects of any kind into the set through the cabinet slots as they may touch dangerous voltage points or short-circuit parts that could result in a fire or electric shock. Never spill liquid of any kind on the set. Use special caution in households where children are present. The apparatus is not suitable for children under 3-year to operate.

Do not overload wall outlets, extension cords or adaptors beyond their capacity, this can result in fire or electrical shock.
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug end, adaptors and the point where they exit from the appliance. The mains plug is used as the disconnect device. It shall remain readily accessible and should not be obstructed during intended use. Make sure to plug the power cord in until it is firmly inserted. When removing the power cord, make sure to hold the power plug when pulling the plug from the outlet, do not pull the plug out by the wire. NEVER touch the plug or power cord with wet hands. To disconnect the apparatus from the mains power, the plug must be pulled out from the mains socket, therefore make sure the mains plug is always easily accessible.

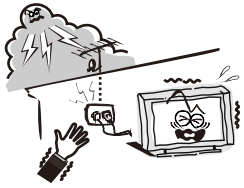


Important Safety Instructions and Maintenance

Important Safety Instructions

Do not push or scratch the front filter, or place any objects on top of the TV set. The image may be uneven or the screen may be damaged.

To avoid a fire, no naked flame sources, such as lighted candles, should be placed on the apparatus.



An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal. Ensure the television is not overhanging the edge of the supporting furniture.

When not in use
If you will not be using the TV set for several days, the TV set should be disconnected from the AC mains for environmental and safety reasons. As the TV set is not disconnected from the AC power when the TV is turned off at the standby switch, pull the plug from the AC power outlet to disconnect the TV completely. However, some TV sets may have features that require the TV set to be left in standby to function correctly. In the case of lightning, unplug the TV set from the outlet immediately. Never touch the antenna cable during lightning.

Do not pull the plug out by the cable;
Never touch the plug with wet hands.

Excessive volume from earphones and headphones can cause hearing loss.

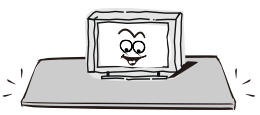
Installation

The ventilation should not be impeded by covering the ventilation opening with items, such as newspapers, tablecloths, curtains, etc.
At least 10 cm space should be left around the apparatus for sufficient ventilation.

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat. Place the apparatus in such a position that the screen is not exposed to direct sunlight. It is best to have soft indirect lighting while watching and avoid completely dark environments and reflection from the screen as these may cause eye fatigue.
Keep the TV set away from any equipment emitting electromagnetic radiation.

Important Safety Instructions and Maintenance

Installation



Do not place the set on an unstable cart, stand, table or shelf. The set may fall, causing serious personal injury as well as damage to the product. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Do not place this apparatus near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or a swimming pool.
;

When the TV being moved in from the cold, it needs time for condensation inside the unit to evaporate fully before turning on the unit;

To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

LED Screen
Although the LED screen is made with high precision technology and 99.99% or more of the pixels are effective, black dots may appear or bright points of light (red, blue or green) may appear constantly on the LED screen. This is a structural property of the LED screen and is not a malfunction.
If the surface of the LED panel cracks, do not touch it until you have unplugged the AC power cord. Otherwise electric shock may result.
Do not throw anything at the TV set. The LED panel may break from the impact and cause serious injury.

Precautions When Displaying a Still Image
A still image may cause permanent damage to the TV screen.
Do not display still images and partially still images on the LED panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
Watching the LED TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause a similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.
Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

Cleaning

Cleaning and handling the screen surface and cabinet. Disconnect the unit from the AC outlet before cleaning. To remove dust, wipe gently with a soft, lint free cloth. If required use a slightly damp cloth.

MAINS PLUG
Wipe the mains plug with a dry cloth at regular intervals. Moisture and dust may lead to fire or electrical shock.

Use care not to subject the TV's surfaces to detergent.
(A liquid inside the TV could lead to product failure, fire or electrical shock.)
Use care not to subject surfaces to bug repellent, solvent, thinner, or other volatile substances as this may deteriorate the surface and finish of the cabinet.

Important Information

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.
- Keep small accessories out of reach of children so they are not mistakenly swallowed.

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Accessories

Please make sure the following items are included with your LED TV. If any items are missing, contact your dealer.

Remote Control

Note: Detail operation please refer to HELP menu on the TV.

Introduction

Features

- TV adopts 32" TFT LED display screen
- Zero X radiation complies to green environment protection requirement
- Connect to computer directly to create a TV/monitor combo.
- MHL2.0
- Android4.2
- USB3.0
- 16:9 wide screen
- Auto tuning and fine tuning
- HDMI input
- Component Compatible (480i; 480P; 576i; 576P; 720P; 1080i; 1080P)
- PC VGA
- Programmable sleep timer
- Wide range voltage input
- No-signal automatic power off

Input terminals used for external equipment connection

1 x ANTENNA jack
1 x computer PC-RGB input
1 x COMPONENT input
1 x AV input
1 x Headphone output
3 x HDMI inputs
2 x USB inputs
1 x CVBS output
1 x SPDIF output

Introduction

Specifications

Model		KALED32SMTZA
Display size		32" Diagonal (max.)
LED panel resolution		1366X768
Speaker output power		⩾5WX2
Power supply		~110-240V, 50/60Hz
TV receive system		Digital: DVB-T Analog: PAL: BG, I, DK, SECAM: BG, D/K
Frequency range		Analog: Antenna: 46.25MHz-855.25MHz Digital:5-12, 21-69
Video in		PAL / NTSC / SECAM
Power consumption		55W
Standby consumption		<0.5W
Antenna Input		75 ohms, unbalanced
Controller power		DC 3V (Two AAA size batteries)
Dimensions (LXWXH)	TV with stand	737.3x180x489.2mm
	TV without stand	737.3x61.5x444.8mm
Weight (Net weight)	TV with stand	7.3Kg
	TV without stand	6.2Kg
Work Temperature		0° C - 40° C

Note:

- Design and specifications are subject to change without notice.
- Weight and Dimension shown are approximate.
- It is suggested to watch 3D program under the operation temperature above 10°C to obtain the best 3D effect.

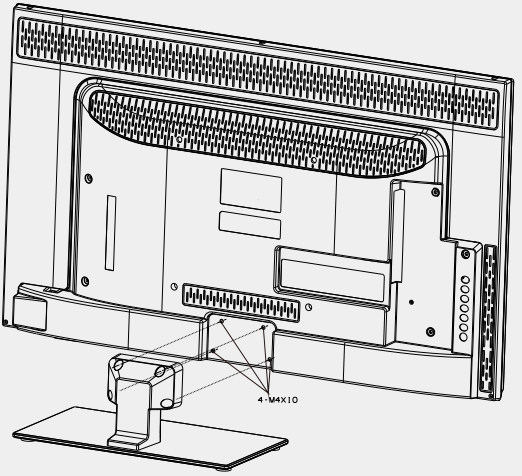
Stand and wall-mounting instructions (optional)

How to assemble the stand

If you need to remove or assemble the stand please read the following instructions.
-Before attaching/detaching the stand, make sure to turn off the TV.
-Before performing work, spread cushioning over the base area to lay the LED TV on. This will prevent it from being damaged.

Assembling instruction:

Put the television on the table, fix the stand and the unit with four screws given in the carton.



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Stand and wall-mounting instructions (optional)

How to mount the LED TV on the wall

1.After detaching the stand, fasten 2 mounting screws into the 2 screw holes on the rear cover, see the figure below.

2.Fasten wall mounting bracket with screws on the wall.

3.Carefully check for the strength before releasing the LED TV.

Note: For more detailed instructions please refer to your "after market" wall mounting instruction book.

Figure1

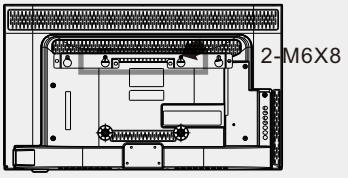


Figure2

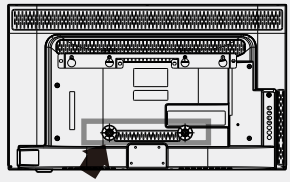
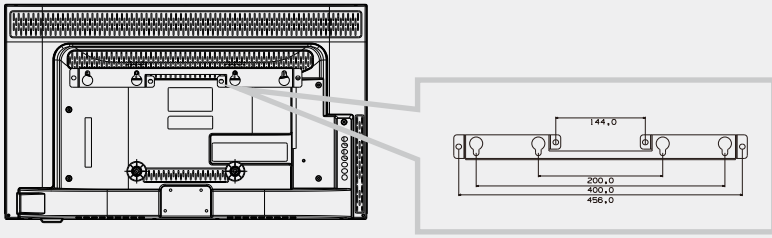


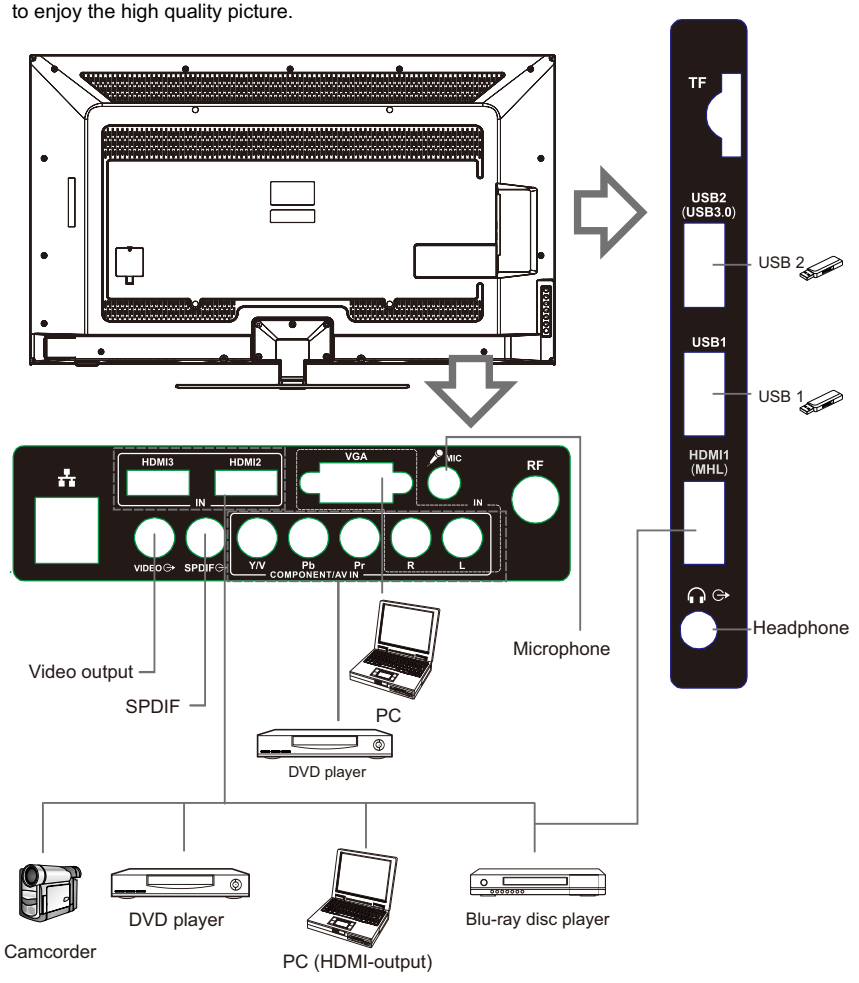
Figure3



General Description

Overview of back panel

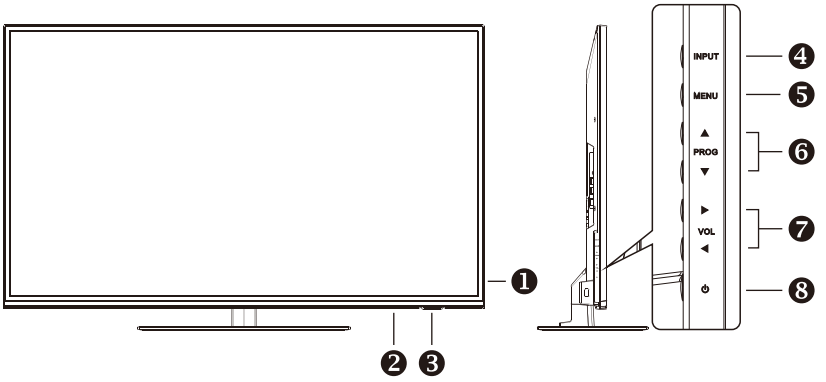
You can connect the TV with video devices such as DVD/VCD player, VCR and video camera to enjoy the high quality picture.



General Description

Overview of front panel

The buttons on the lower-left panel control your TV's basic features, including the on-screen menu. To use the more advanced features, you must use the remote control.



❶ POWER SWITCH
Press this button to turn TV on or off.

❷ REMOTE CONTROL SENSOR
Aim the remote control towards this spot on the TV.

❸ POWER INDICATOR
ON: In standby mode.
OFF: In power on mode.

❹ INPUT
Toggles between all the available input sources.

❺ MENU
Press to display an on-screen menu of your TV's features.

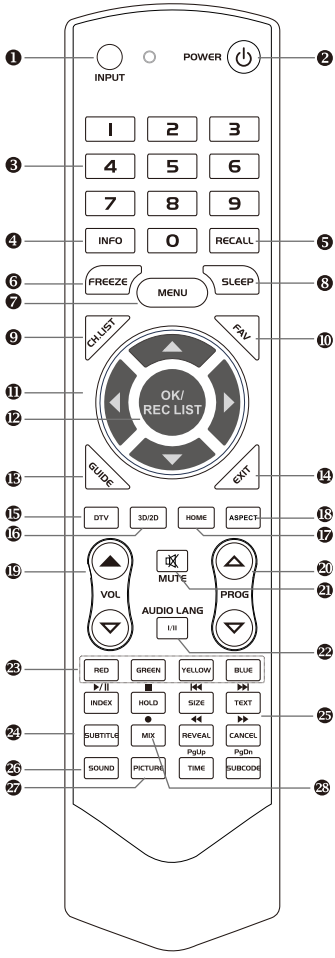
❻ PROG△/▽
Press to change programs.
In the on-screen menu, use the PROG△/▽buttons as up/down arrow buttons.

❼ VOL◁/▷
Press to increase or decrease the volume.
In the on-screen menu, use the VOL◁/▷ buttons as left/right arrow buttons.

❽ ⏻ STANDBY BUTTON
Press ⏻ button to toggle between normal and standby mode.

General Description

Overview of Remote Control

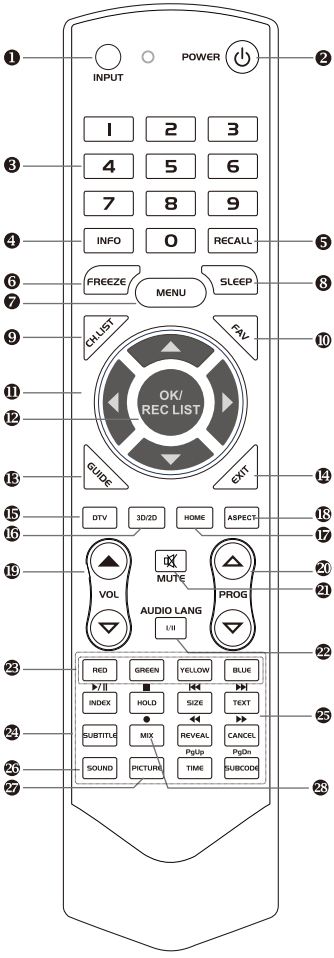


1. **INPUT:** This button is used to switch among different sources: DTV,ATV, AV,YPbPr,VGA, HDMI1, HDMI2, HDMI3.
   Select a source and press OK button to confirm.
2. **POWER:** Press this button to switch to standby mode, and press it again to turn TV on.
3. **Digital buttons(0~9):** To select channel with digital buttons.
4. **INFO:** This button is used to start the "Current Service Banner" application that provides information about the current service.
5. **RECALL:** Switch to the previous program.
6. **FREEZE**: Press this button to freeze the image.
7. **MENU:** Press this button to display main menu or exit the menu. When you are in the submenu, you can press it to return the main menu.
8. **SLEEP:** TV will be switched off automatically at preset sleep time if you have set sleep timer. Use your remote control to set the sleep timer.
   Press SLEEP button on the remote control, then press this button again to set sleep time: off, 10, 20, 30, 60, 90, 120,180, 240 min. Press MENU button to exit when you have set the sleep timer.
   After you have set sleep timer, press SLEEP button again, you will see the Remaining time.
   Notes: The sleep timer you have set will be cancelled when the TV turns off or if a power failure occurs.
9. **CH.LIST:** Press it to show channel list on screen.
10. **FAV:** Press it to display favorite list.
11. **Arrow buttons:** Press these buttons to move cursor up/down/left/right for menu.
12. **OK/REC LIST:** Press this button to display a list of recorded programs. In main menu and submenu, it is a validation button.
13. **GUIDE:** In DTV source, this button is used to start the EPG application.
14. **Exit:** Exit the menu.
15. **DTV**: Switch to DTV mode.
16. **3D/2D**: Press this button to display the “3D setting”.

Note:It is suggested to watch 3D program under the operation temperature above 10°C to obtain the best 3D effect.

General Description

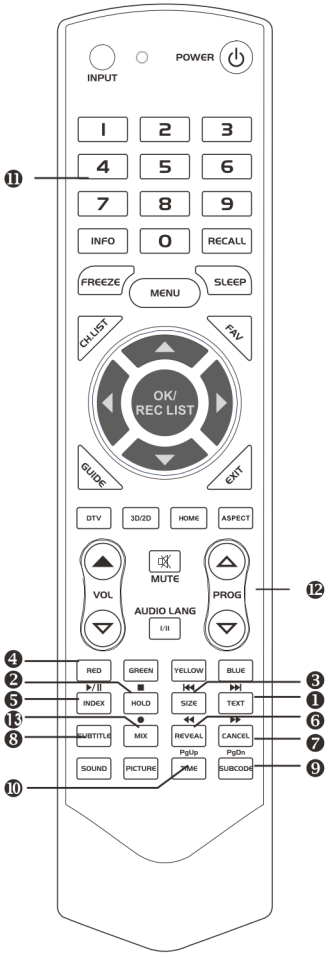
Overview of Remote Control



17. **HOME**: Press this button to enter the main interface directly.
18. **ASPECT:** Press this button to switch the screen mode.
19. **VOL△ and VOL▽:** Press these buttons to adjust TV volume.
20. **PROG△and PROG▽:** Press these buttons to change channel upward or downward.
    In the teletext, these buttons are used to display the next page and previous page.
21. **MUTE:** Press this button to shut off sound of the TV, press again to restore TV sound.
22. **I/II Button/Audio Lang:** In ATV source, the button is used to set NICAM sound system.
    In DTV source, the button is used to set the audio language.
23. **Red/Green/Yellow/Blue Command:** These four buttons are used to request linked buttons with the current menu/page.
24. **Teletext buttons:** Detail operation please refer to “Teletext” in the next page.
25. **Digital media player control button:** Including play/pause, stop, previous file, next file, backward, forward, these buttons are used to control in USB mode.
26. **SOUND:** This button is used to select the sound mode.
27. **PICTURE:** This button is used to adjust the picture mode.
28. **MIX (●):** Teletext buttons for mix function. It is also used for recording function when TV is on DTV mode.

General Description

Teletext



Note:

TELETEXT buttons are only available for teletext functions. Please check to confirm that your product has the teletext function available.

Teletext is an information system broadcast by certain channels which be consulted like a newspaper.
It also offers to subtitles for viewers with hearing problems or who are not familiar with the transmission language.
You can press these buttons to operate the teletext:

❶ **Text**
Press TEXT button to enter or exit teletext mode.

❷ **Hold**
Press HOLD button to toggle Hold function on or off. When Hold is switched on, the page acquisition is stopped. When Hold is switched off, the page acquisition is started.

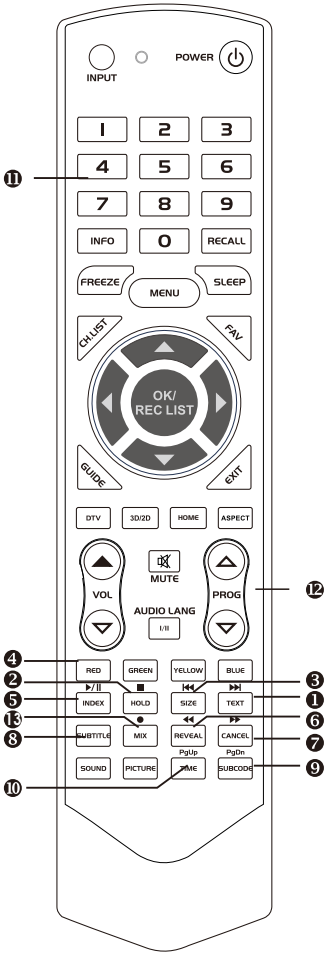
❸ **Size**
Press SIZE button one time to display the upper half of the screen in double height, press the SIZE button two times to display the lower half of the screen in double height, press three times to display the full screen in normal size.

❹ **Red/Green/Yellow/Blue Command**
These four buttons are used for quick access to different pages as numbered at the bottom of the screen.

❺ **Index**
Press INDEX button, then index page displays.

❻ **Reveal**
Pressing this button will reveal any hidden data (answers to quizzes for example).Press the REVEAL button again to return to normal screen.

Teletext



❼ **Cancel**
The CANCEL button will exit from any Teletext on the display. Press CANCEL button again to exit Teletext and return to live TV broadcast.

❽ **Subtitle**
Turning the Teletext subtitles on or off.
Subtitles is a separate mode with only a few buttons available. There will be no OSD visible other than the Teletext Subtitles.

❾ **Subcode**
Subcode mode gives the possibility to select certain subcode pages of a Teletext page.
Entry of digits within the range 0...9 for current subcode entry. If the digit completes the entry, a page request is started.
Press PROG△/PROG▽ buttons to change the subcode pages.

❿ **Time**
This button is used to show the time of the Teletext.

⓫ **Digital buttons(0~9)**
You can press them to enter the number of the Page required.

⓬ **PROG△/PROG▽**
You can press them to change page upward or downward.

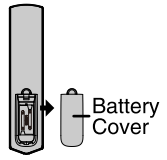
⓭ **Mix**
Press MIX button and the teletext page will turn transparent, so TV content and teletext page content will display at the same time.
Press MIX button again to exit MIX mode.

General Description

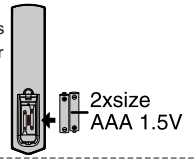
Installing Batteries in the Remote Control

Installing Batteries

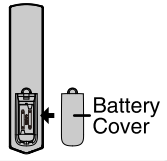
1 Open the battery compartment cover on the back side.

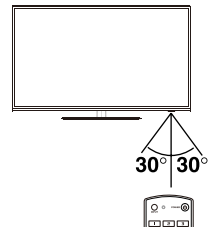


2 Insert two 1.5V AAA size batteries in correct polarity. Don´t mix old or used batteries with new ones.



3 Close the cover.





- Point the remote towards the remote control sensor of the TV and use it within 8 meters.
- Put the used batteries into the recycling bin since they can negatively affect the environment.

Note:

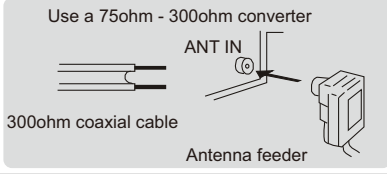
- One loading of batteries will last for 1 year under normal use.
- If you do not intend to use the remote controller for a long period of time, remove them to avoid damage due to leakage.
- Do not use old and new batteries together.
- The batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

External Connection

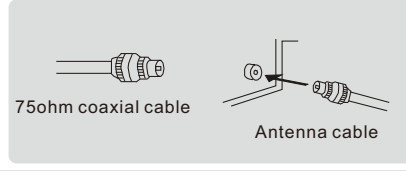
Antenna connection

Antenna input impedance of this unit is 75ohm. VHF/UHF 75ohm coaxial cable can be connected to the antenna jack directly, if the antenna cable is 300ohm parallel flat feeder cable, you need to use the 300ohm/75ohm converter to connect the antenna cable to the antenna jack. For details Please refer to the following drawing.

Antennas with 300 Ω flat twins Leads



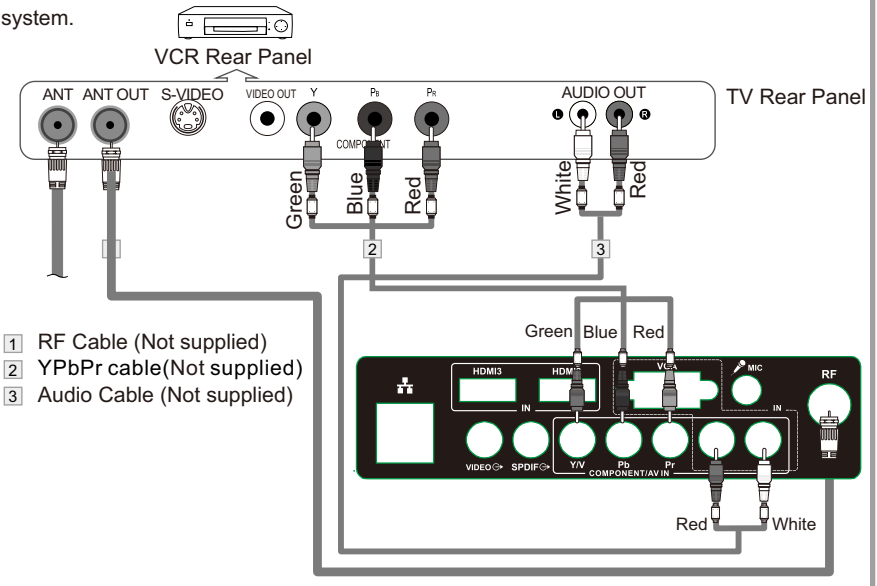
Antennas with 75 Ω Round Leads



External Connection

Connecting VCR

These instructions assume that you have already connected your TV to an antenna or a cable TV system. Skip step 1 if you have not yet connected to an antenna or a cable system.



1 RF Cable (Not supplied)
2 YPbPr cable(Not supplied)
3 Audio Cable (Not supplied)

Follow the instructions in Viewing a VCR or Camcorder Tape to view your VCR tape. Each VCR has a different back panel configuration.
When connecting a VCR, match the color of the connection terminal to the cable.

1. Unplug the cable or antenna from the back of the TV.
2. Connect the cable or antenna to the ANT IN terminal on the back of the VCR.
3. Connect an RF Cable between the ANT OUT terminal on the VCR and the ANT IN terminal on the TV.
4. Connect a Component Cable between the COMPONENT [Y, Pb, Pr] jacks on the DVD player and YPbPr jack on the TV.
5. Connect Audio Cables between the AUDIO OUT jacks on the VCR and the AUDIO L and AUDIO R jacks on the TV.

Note: 1. Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
2. When connecting an external device, match the color of the connection terminal to the cable.

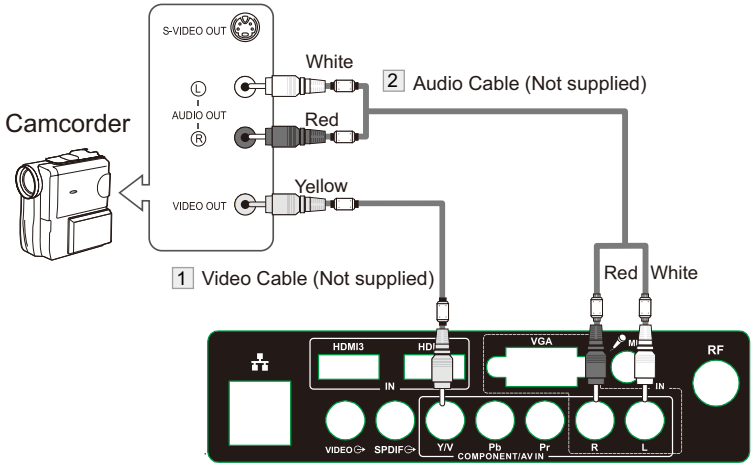
External Connection

Connecting a Camcorder

The rear panel jacks on your TV make it easy to connect a camcorder to your TV. They allow you to view the camcorder tapes without using a VCR.

Each Camcorder has a different back panel configuration.
When connecting a Camcorder or DVD, match the color of the connection terminal to the cable.

1. Connect a Video Cable between the AV VIDEO jacks on the TV and the VIDEO OUT jack on the camcorder.
2. Connect Audio Cables between the AUDIO L and AUDIO R jacks on the TV and the AUDIO OUT jacks on the camcorder.
3. Connect a Video Cable between the component IN Y on the TV and the VIDEO OUT jack on the DVD.
4. Connect Audio Cables between the component IN AUDIO L and R jacks on the TV and the AUDIO OUT jack on the DVD.



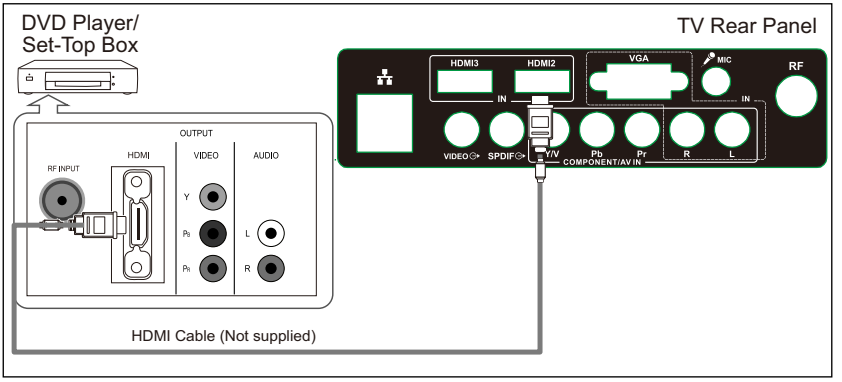
Note:

1. Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
2. When connecting an external device, match the color of the connection terminal to the cable.

External Connection

Connecting DVD Player/Set-Top Box via HDMI

This connection can only be made if there is a HDMI Output connector on the external device.



What is HDMI?

HDMI, or high-definition multimedia interface, is a next-generation interface that enables the transmission of digital audio and video signals using a single cable without compression.

Multimedia interface is a more accurate name for it especially because it allows multiple channels of digital audio (5.1 channels).

The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP(High Bandwidth Digital Copy Protection) coding feature installed, and supports multi-channel digital audio.

Each DVD player/STB has a different back panel configuration.

1. Connect an HDMI Cable between the HDMI1, HDMI2, HDMI3 connector on the TV and the HDMI connector on the DVD player/Set-Top Box.

Note:

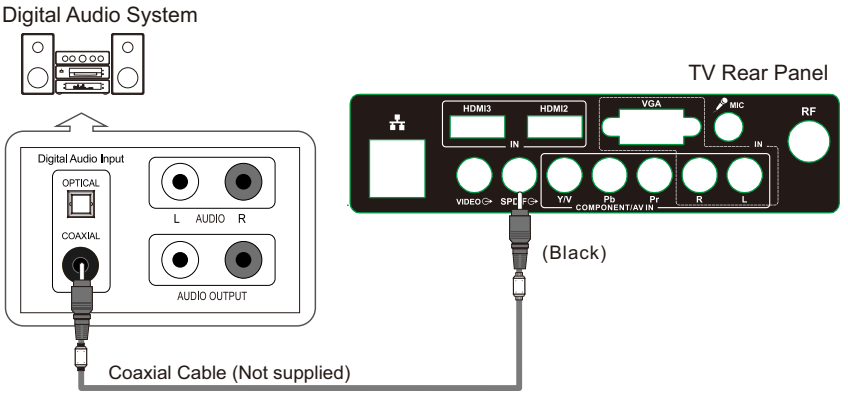
1.Whenever you connect an external device to your TV, make sure that power on the unit is turned off.

2.When connecting an external device, match the color of the connection terminal to the cable.

External Connection

Connecting Digital Audio System

The rear panel jacks on your TV make it easy to connect a Digital Audio System to your TV.

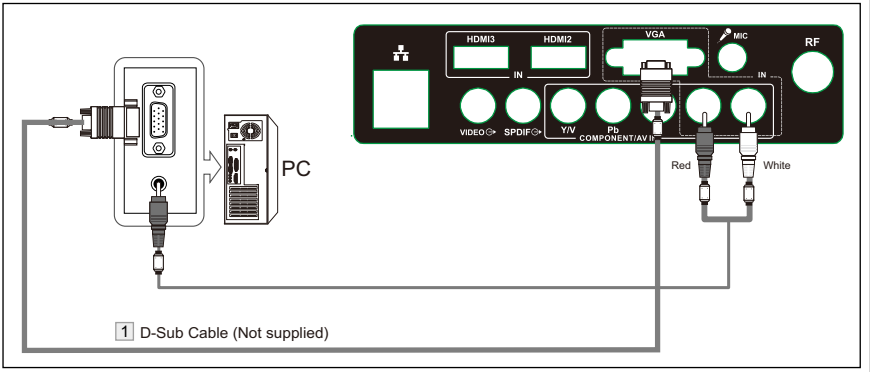


5.1 CH audio is possible when the TV is connected to an external device supporting 5.1 CH.

1. Connect an Coaxial Cable between the SPDIF jacks on the TV and the Digital Audio Input jacks on the Digital Audio System. When a Digital Audio System is connected to the SPDIF terminal: Decrease the gain (volume) of the TV, and adjust the volume level with the Digital Audio System's volume control.

External Connection

Connecting PC



Each PC has a different back panel configuration.
The HDMI jacks do not support PC connection.

1. Connect a D-Sub Cable between VGA/PC IN connector on the TV and the PC output connector on your computer.
2. Connect a PC Audio Cable between PC AUDIO IN jack on the TV and the Audio Out jack of the soundcard on your computer.

You should set PC software before you connect a PC to your TV (please refer to "PC Display" settings)

Note:

1. Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
2. When connecting an external device, match the color of the connection terminal to the cable.

Supporting signals

Input	Mode
DTV	DVB-T
ATV	PAL BG I DK
	SECAM BG DK
CVBS	PAL/NTSC/SECAM

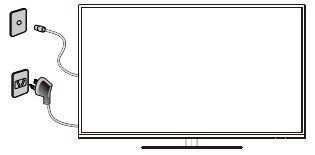
Input	Resolution		Vertical Frequency
PC/VGA	VGA	640x480	60Hz
	SVGA	800X600	60Hz
	XGA	1024X768	60Hz
	SXGA	1280X1024	60Hz
		1360X768	60Hz

Input	Resolution	Vertical Frequency
Component	480i	60Hz
	480p	60Hz
	576i	50Hz
	576p	50Hz
	720p	50Hz/60Hz
	1080i	50Hz/60Hz
	1080p	50Hz/60Hz
HDMI	480p	60Hz
	576p	50Hz
	720p	50Hz/60Hz
	1080i	50Hz/60Hz
	1080p	50Hz/60Hz

Basic Operation

Turning the TV On and Off

1 *How to turn the TV on or off*



1. Insert the power cord plug into a polarized AC outlet.
2. If TV is in standby mode, press **POWER** button on the remote control or ⏻ button on the bottom panel of LED TV.
3. Normal picture will be displayed on the screen after 15 seconds. If no signal input, "No Signal" will be displayed on the screen.
4. If temporary POWER off is required, press **POWER** button on the remote control or ⏻ button on the bottom panel.
5. If you want to completely switch off the power for this unit for a prolonged time, unplug the power cord.
6. After switching off the unit, you should wait at least 5 seconds before switching on again.

Status indication lamp
On: In standby mode.
Off: In power on mode.

Auto power-off
1. If there is no signal, the TV will automatically enter standby mode after 10 minutes.
2. In VGA mode, if no operation occurs for 15 seconds, the TV will enter standby mode.

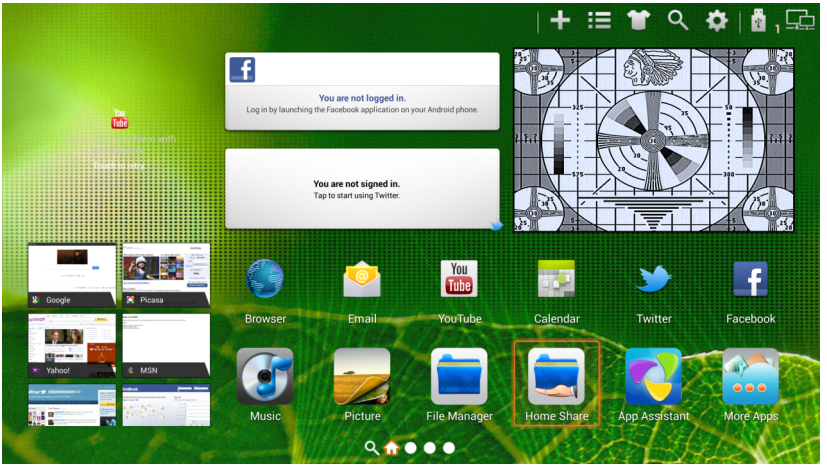
Memory before turning TV off
The picture and sound settings and preset channels will be memorised at the point when the TV is turned off. When the TV is started up again it will work accordingly with these settings.

Basic Operation

Menu operation

The main interface

You will enter the main menu directly after the TV is turned on.



Arrow buttons: Select menu and the selected menu's outline will be orange.

OK button: Enter the option/function that you've selected.

INPUT button: You will enter the relevant function options directly.

Those state icons from left to right function as the following in turn:

1.Add to home screen 2. All apps 3. Change wallpaper

4. Search 5. Setting 6. Mass storage

7. Wired

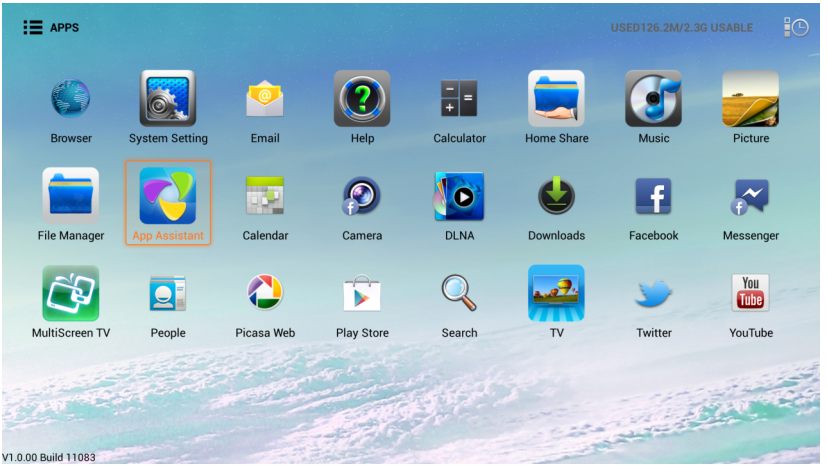
Note:

1. The first section as shown will display the current video images, and it will display snowflake when there is no signal.
2. The second area shows some small desktop plug-ins, select one and press the OK button, you will enter the relevant application program.
3. The third area is the entrance of the shortcut menu, select one and press the OK button, you will enter the relevant shortcut options.

Menu operation

Applications of the TV

Application menu shows all those applications which are preloaded with the TV as well as those that you've downloaded.



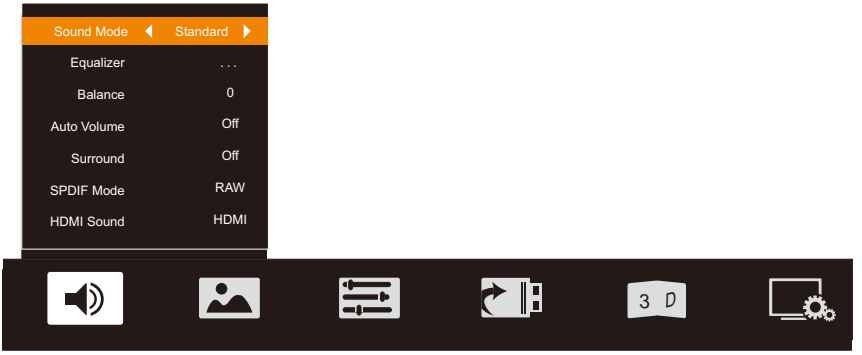
Menu Button: Open or Close the app's menu
Exit Button: Return to the main menu
Arrow Button: Select the application which you want
OK Button: Enter the application you've selected.
Note:
When the applications are of more than one page, and the focus is on left or right side of each line, the left/right buttons can page up/down.

Menu system instruction

TV Menu

Menu button: Open the TV menu.
Exit button: Close the TV menu.
Arrow buttons: Select the application which you want.
OK button: Enter the selected application settings menu.
Note: Enter the function option by click the status bar.

Sound



Sound Mode

You can select the type of special sound settings to be used when watching a given broadcast. Your TV has five sound settings (“Standard”,“Music”, “Movie”,“Sports”, “User”) that are preset at the factory.

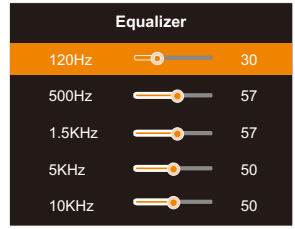
1. Press ▲/▼ key to select "Sound Mode" option.
2. Press ◀/▶ key to select one sound mode.

- Standard: Selects the normal sound mode.
- Music: Select the sound mode for music.
- Movie: Provides live and full sound for movies.
- Sports: Emphasizes bass over other sounds.
- User: Selects your custom sound settings (See "User settings for Sound”).

Menu system instruction

Sound

Equalizer



1. Press ▲/▼ key to select an equalizer item.
2. Press OK key to enter the equalizer submenu.

The sound settings can be adjusted to suit your user preferences.

1. Press ▲/▼ key to select a particular item.
2. Press ◀/▶ key to decrease or increase the value of a particular item.

Note: The adjusted values are stored according to the selected particular item.

Balance

If the volumes of the left speaker and the right speaker are not the same, you can adjust the "Balance" to suit your personal preference.

1. Press ▲/▼ key to select "Balance" option.
2. Press ◀/▶ key to decrease or increase the value of the item.

Auto Volume

Each broadcasting station has its own signal conditions, and it is inconvenient to adjust the volume every time the channel is changed. “Auto Volume” automatically adjusts the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

1. Press ▲/▼ key to select “Auto Volume" option.
2. Press ◀/▶ key to select “On” or “Off”.

Surround Sound

This is used to turn on surround sound to gain better sound effect.

1. Press ▲/▼ key to select "Surround sound" option.
2. Press ◀/▶ key to select “On” or “Off”.

SPDIF Mode

This is used to select "SPDIF Mode" .This option is only used in HDMI\DTV mode.

1. Press ▲/▼ key to select "SPDIF Mode" option.
2. Press ◀/▶ key to select "RAW" or "PCM".

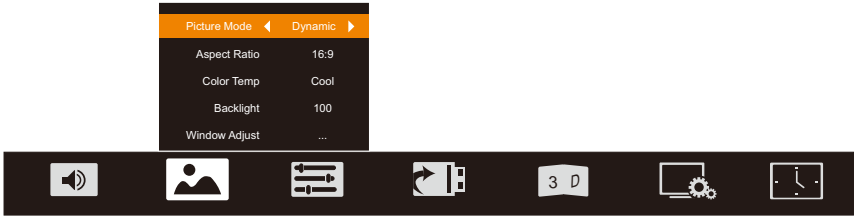
HDMI Sound

This option is only used in HDMI mode.

1. Press ▲/▼ key to select “HDMI Sound" option.
2. Press ◀/▶ key to select HDMI Sound mode, HDMI or VGA.

Menu system instruction

Image



Picture Mode

Your TV has five picture settings (Standard, Soft, Vivid, User, Dynamic) that are preset at the factory. Only "User" mode can be set to your preference by adjusting particular items such as Contrast, Brightness, Color, Sharpness, Tint.

1. Press ▲/▼ key to select "Picture Mode" option.
2. Press ◀/▶ key to select one picture mode.

Aspect Ratio

You can select the picture size which best corresponds to your viewing requirement.

1. Press ▲/▼ key to select "Aspect Ratio" option.
2. Press ◀/▶ key to set the scale mode.

You can also press "Aspect" key on the remote control to select one of the scale modes. Each source has different scale modes. (16:9, 4:3, Panorama, Movie, Subtitle, Dot by dot)

Color Temp

You can change the color of the entire screen according to your preference.

1. Press ▲/▼ key to select "Color Temp" option.
2. Press ◀/▶ key to select one color temp.

Standard: Keeps whites white.
Warm: Makes whites reddish.
Cool: Makes whites bluish.

Adjusting the Backlight

You can change the brightness of the entire screen according to your preference.

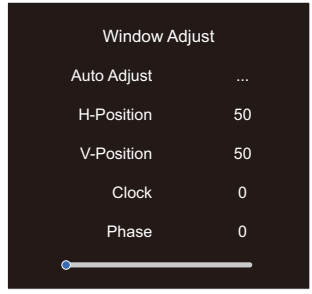
1. Press ▲/▼ key to select "Backlight" option.
2. Press◀/▶ key to select one backlight mode.

Backlight: Adjusts the brightness of the whole screen.

Window Adjust

This option is only used when VGA mode has signal.

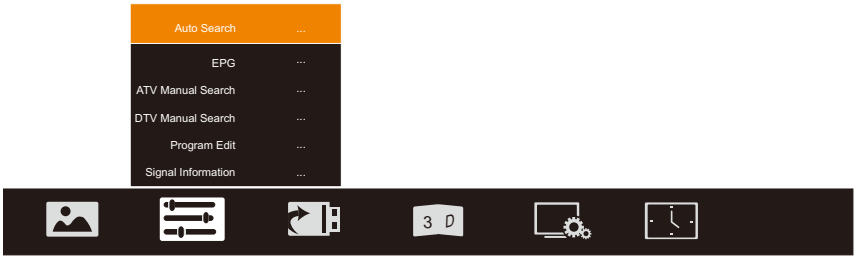
1. Press ▲/▼ key to select "Window Adjust" option.
2. Press **OK** key to display the "Window Adjust" menu.



- Auto Adjust: Allows you to set the TV to self-adjust to the incoming PC video signal. The fine, coarse and position values are adjusted automatically
- H-Position: Set horizontal position of picture.
- V-Position: Set vertical position of picture.
- Clock/Phase: Remove or reduce picture noise.

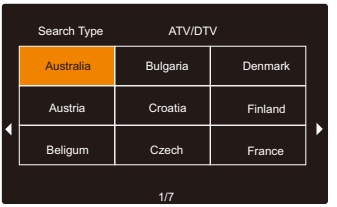
Menu system instruction

Program



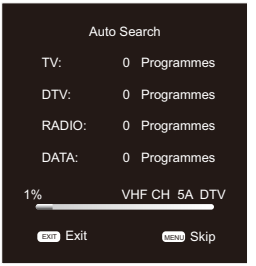
Auto Search

Press ▲/▼ key to select "Auto Search" option. Then press OK key to start a notice window. In this notice window, you can select country in the “Country Selection” option and set “Tune Type” option.



The number of searched channels will be shown on the screen. If you set “Tune Type” to “DTV+ATV”, when the searching of DTV channels is over, the TV will start to search ATV channels. When the whole channel search is finished, all the channels will be stored in memory, and a message will appear on the screen as per the diagram on the right:

NOTE: If you want to exit the whole searching, you can press EXIT button.



*EPG(*Used only in DTV*)*

1. Press ▲/▼ key to select “EPG" option.
2. Press “OK” key to enter EPG submenu.

Note: For detailed operations please see page 37.

ATV Manual Search

In the ATV/DTV source, you can choose “ATV Manual Search” to enter “ATV Manual Search” menu.

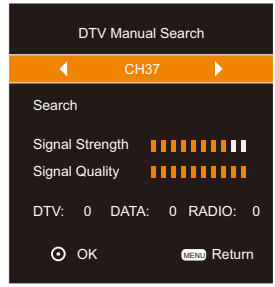
- Current CH:You can see the current channel number and you can press◀/▶ button to choose the channel you want to modify.
- Color System: Select the “Color System” option, press ◀/▶ on the remote control or TV. The color system will be changed repeatedly in the order.PAL → SECAM → AUTO
- Sound System: Select the “Sound System” option, press ◀/▶ on the remote control or TV. The sound system will be changed repeatedly in the below order. BG → DK → I → L
- Search: you can use ▶ button to search channels from low frequency to high frequency and use ◀ button to search channels from high frequency to low frequency. When you have searched a channel, the searching will be paused and you can press it again for other channels after you store the channel.
- Fine Tune: In case of unfavorable image or sound of TV program, you can use “Fine Tune”.
- Skip: Select “Skip” option, “be changed” on the remote control or TV to switch, select “ON” to skip current program, select “OFF” to add the program into the program list.
- Frequency: You can see the frequency of the searched channels.

Menu system instruction

Program

DTV Manual Search

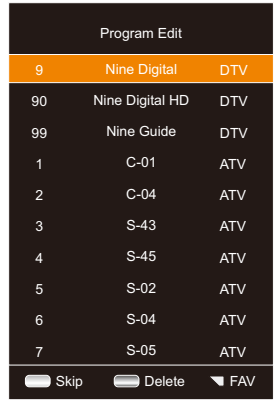
In the ATV/DTV source, you can choose “DTV Manual Search” to enter “DTV Manual Search” menu.
You can use ◀/▶button to choose the channel and press OK button to search, and then the TV will store the DTV channel if there is a DTV signal present.



Program Edit

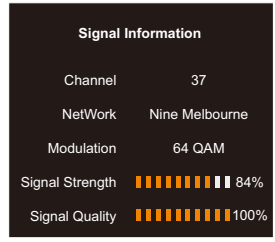
You can use ▲/▼ button to choose “Program Edit” and enter the menu, press the Blue/Red/Yellow color button on the remote control to skip, delete and move programs, also you can press FAV button to add to your favorite list.

- Delete:You can press RED button to enter "DEL" menu, then choose the channel you want to delete and press RED button again to delete.
- Move:You can press ▲/▼ button to choose the channel in ATV mode you want to move and press YELLOW button to move it.
- Skip:You can press ▲/▼ button to choose the channel you want to skip and press BLUE button to skip it when you change channels.
- FAV:If you like the program of a channel, you can choose “FAV” button in the menu to add it to your favorite list and later you can press “FAV” button in the remote control to choose your favorite programs as soon as possible.



*Signal Information(*Used only in DTV*)*

1. Press ▲/▼ key to select “Signal Information" option.
2. Press “Ok”or ▶ key ,you can see the information of the DTV channel.



NOTE: Signal Quality/Signal Strength (DTV Only):
Unlike analogue channels, which can vary in reception quality, digital channels must have perfect reception quality or you will not receive them at all. So, unlike analogue channels, you are not able fine tune a digital channel. If the signal strength indicates that the signal is weak, a possible solution is to adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.

Menu system instruction

Input Source

There are two ways to select input source.

1.Input Setup

Press **INPUT** key on the remote control to enter "INPUT SOURCE" menu. These options for you to select: DTV, ATV, AV, YPbPr, VGA, HDMI1, HDMI2, HDMI3. Use ◀/▶ key to move the cursor to the input you desired and press **OK** key to confirm.

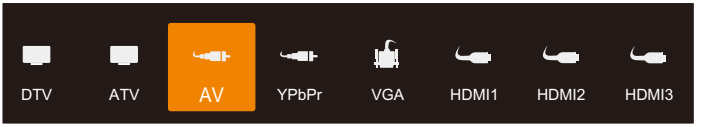


Figure1

2. Input Source menu

Figure2

1. Press **MENU** key to display the main menu on the screen.
2. Press ◀/▶ key to select "Input Source" option.
3. Press **OK** key to enter submenu.

3D

1. 2D-3D: Turn source film from 2D into 3D mode.
2. 3D-2D: Turn source film from 3D into 2D mode.
3. 3D-Off: Close 3D mode and set 2D mode.

Menu system instruction

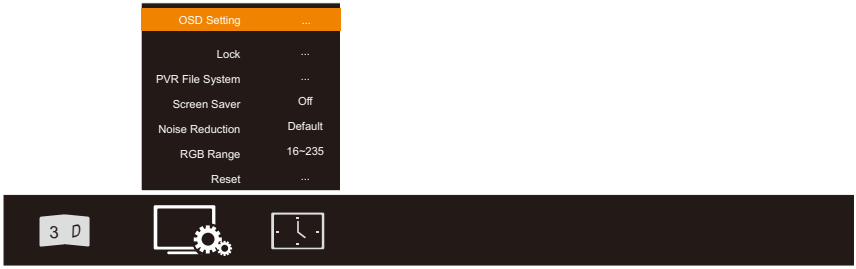
3D

4. 3D Auto: When it is ON, all 3D source films will automatically switch to 3D mode. When it is OFF, only the source film with 3D format sigh will automatically switch to 3D mode.
5. Left Right/Up Down/ 3D Clarity: set source films into different mode on the basis of different 3D format.
6. 3D Engine: Press OK button to enter the "3D Engine" menu, you can set the 3D Effect and 3D Sequence.

Note:

1. Watching 3D content for a long time may cause headache or eyestrain to you, please stop watching if you have any uncomfortable feeling and take a rest immediately. Please consult a doctor if the feeling do not released.
2. The appropriate 3D film sources are needed for watching 3D content.
3. It is suggested to watch 3D program under the operation temperature above 10°c to obtain the best 3D effect.
4. When in 3D mode, “2D-3D” can’t be selected. When in 2D mode, “3D-2D” can’t be selected.

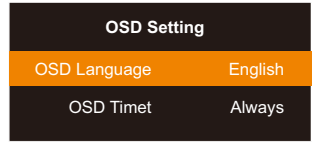
Function



OSD Setting

You can modify the OSD set to suit your user preferences.

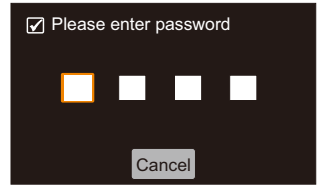
1. Press ▲/▼ key to select “OSD Setting" option.
2. Press **OK** key to display the OSD setting menu.
   OSD Language: select the proper language
   OSD Time : Set the preferred amount of time for the OSD to be displayed on the screen.



Lock

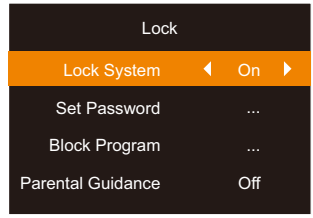
The lock feature requires a Password to be entered before any settings can be changed.

1. Press ▲/▼ key and select "Lock" under the "Function" menu.
2. Press **OK** key to enter "Lock" submenu, "Please



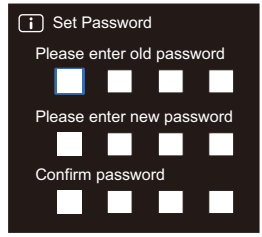
Function

enter password" menu will appear, enter your 4-digit password to enter "Lock" submenu (the default user password is 0000, while the uneditable master password is 1980).



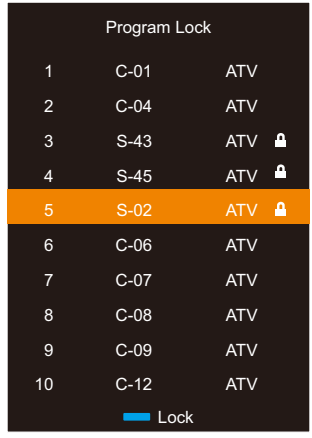
Lock System

1. Press ▲/▼ key to select "Lock System" option.
2. Press ◀/▶ key to select "On" or "Off".



Set Password

1. Press ▲/▼ key to select "Set Password" option.
2. Enter your 4-digit password to set the old password. Choose any 4-digits for your new password and enter them. As soon as the 4 digits are entered, the cursor ill skip to “Confirm password” item, re-enter the same 4 digits, and your new password has been memorized.



Program Block

1. Press ▲/▼ key to select “Program Block” option.
2. Press OK key to enter Program Lock. In the program list, use Blue key to lock or unlock the program. Once the program is locked and Lock System is on, password is needed to enter it.

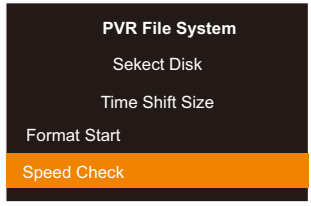
Parental Guidance

This option only used in DTV mode.

1. Press ▲/▼ key to select “Parental Guidance” option.
2. Press ◀/▶ key to select the lock level of the Parental Guidance: Off, 3, 4, 5, 6, 7, ..., 18.

PVR File System

1. Press **MENU** key to display the main menu on the screen.
2. Press ▲/▼ key to select “PVR File System” option.
3. Press **OK** key to enter “PVR File System" submenu, for detailed operation refer to “PVR File System”.



Menu system instruction

Function

Screen Saver

This option is only used in ATV mode.

1.Press ▲/▼ key to select “Screen Save” option.

2.Press ◀/▶ to choose on or off.

Noise Reduction

1. Press▲/▼key to select "Noise Reduction" option.
2. Press◀/▶ key to select "Off", "Low", "Middle", "High" and "DEFAULT” to improve the picture sharpness.

Note: Noise Reduction doesn't work in VGA Mode.

RGB Range

Change the brightness and saturation for a better picture.

1.Press▲/▼key to select "RGB Range" option.

2.Press ◀/▶ key to select "16~235" or "0~255".

Note: only available in HDMI mode, please select the appropriate setting according to the DVD Player/STB.

RESET

Select the “Reset” option and press OK key to display a confirm box,and select “Yes” or “No”.

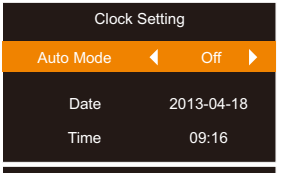
Note: Please use the "Reset" option with caution as it will return all settings and channel memories to factory default

Time

Clock Setting

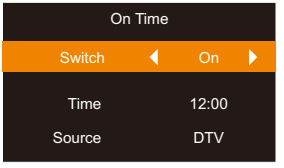
In the first item, press OK button to enter the "Clock Setting" menu to set the Date and Time.

In the "Auto Mode" item,you can get the time from DTV or Net.



On Time

In "On Time” item, press OK button to enter the submenu, set the time to turn on the TV set, when the TV set is in the standby mode.

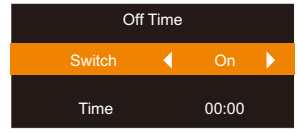


Menu system instruction

Time

Off Time

In "Off Time" item, press OK button to enter the submenu, set the time to turn off the TV set.



Sleep Timer

1. Press ▲/▼ key to select "Sleep Timer" option.
2. Press ◀/▶ key repeatedly until the desired time appears (Off, 10min, 20min, 30min, 60min, 90min, 120min, 180min, 240min).

Notes:

1.The sleep timer you have set will be cancelled when the TV turns off or if a power failure occurs.

2.When the time is less than 60 seconds, remind information will be displayed on the screen. Press any key button to cancel timer function.

Time Zone

You can choose it to modify your time zone in the TV set.

1. Press ▲/▼ key to select "Time Zone" option.
2. Press ◀/▶ key to select time zone.

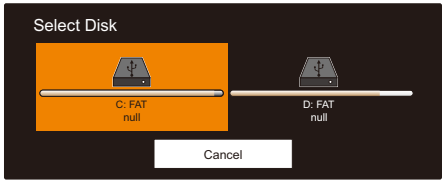
PVR

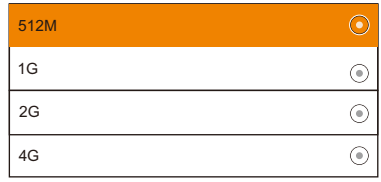
PVR File System

WARNING:

1. Before connecting your USB device to the TV, please back up your files to prevent them from damage or loss of data.
2. A USB disk must be formatted when first used for PVR. Any existing data on the disk will be lost during the formatting process. Please back up your disk if you do not want to lose this data. You are recommended to use a dedicated disk for PVR use only. Do not disconnect disk or power during formatting.
3. Do not modify PVR files on a PC.

Note: Make sure your USB device is compatible with the TV and able to support PVR recording.





Menu system instruction

PVR

Select Disk: Press “OK” button to enter submenu and press “◀/▶” to choose the disk for PVR.
Time Shift Size: Press “OK” button to enter submenu and press “▲/▼” to choose the size.
Format: Press “OK” button to enter format submenu. The disk must be formatted when first used for PVR. Do not disconnect disk or turn power off during formatting.
When formatting your disk, a progress bar will appear on the display. **NOTE: The larger your device the longer it will take to format. The device may take many minutes to format, this is not a malfunction, please wait for the formatting to finish.**
Speed Check: Test your disk speed.

PVR Guide

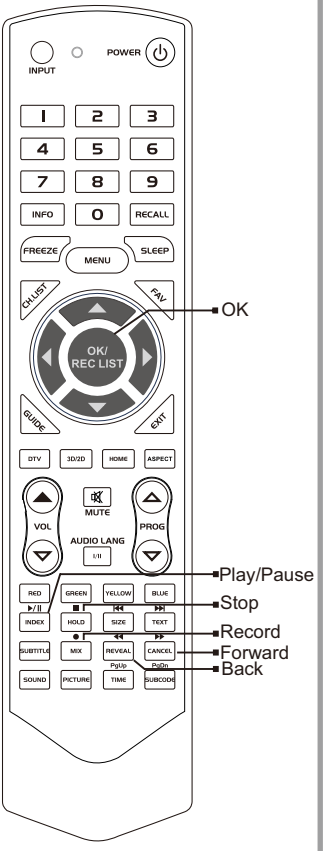
If the disk for PVR is ready, the programs can be recorded in DTV mode.

Time shift

In DTV mode, press “▶/II” button to pause the DTV program, press it again to continue play. The length of time a program can be paused depends upon the setting in the PVR File System. Press “EXIT” to stop the time shift.
Press the PLAY button to continue playing the program from the point where it was paused.
NOTE: Time Shift will stop if you change channels, change inputs or go into standby mode while in Time Shift mode.

Instant recording

1. Select the desired channel then press the “●” button on the remote control to start recording the current broadcast, a progress bar will be displayed at the bottom of the screen.
2. Recording stops when you press the EXIT button and the recorded file is stored in the external USB device automatically.



NOTE: You can only watch channels on the same frequency as the program being recorded. If you try to change to another channel or come to the main interface a message will appear prompting you to continue or not “STOP RECORDING. System will stop record if user want to channel up/down, Confirm or Cancel.”

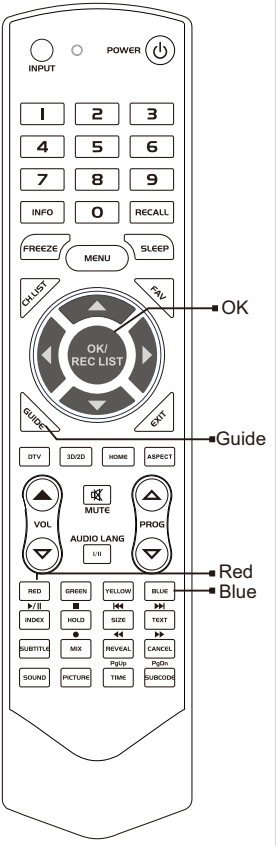
Menu system instruction

PVR

DTV EPG (Electronic Program Guide)

In DTV mode, press “GUIDE” button to enter the Electronic Program Disabled.

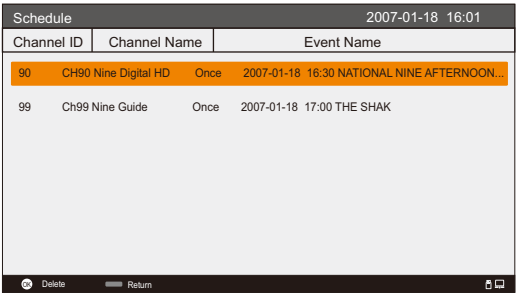
At Guide menu, press "RED” button to "Record" Setting.



At Guide menu, press "OK" button to "Reminder Settings".

Note: Press ◀/▶button to adjust the scheduled time, press OK button to save the setting.

Press BLUE button to Schedule interface.



Digital Media Player

Introduction

This TV is embedded with a USB port digital media player. It can find devices that support USB1.1/2.0/3.0, including flash drives, USB hard disks and digital cameras. It supports many functions such as: Display pictures, Play music files, Play video files.
Note: please do not remove the cable during the data transfer. It may cause problems for the system.

Data	Format
Picture	JPG,JPEG,PNG,BMP
Music	MP3, AAC
Video	MPG,MPEG,MP4,MOV,MKV

Device and File Management

Initialization Interface

On the main interface (page.24), click the “Mass storage” state icon to enter the USB channel. If no USB disk is inserted, the system will prompt you to insert the USB device, while the screen displays "Storage DeviceRemove” message, as shown in Figure 1.

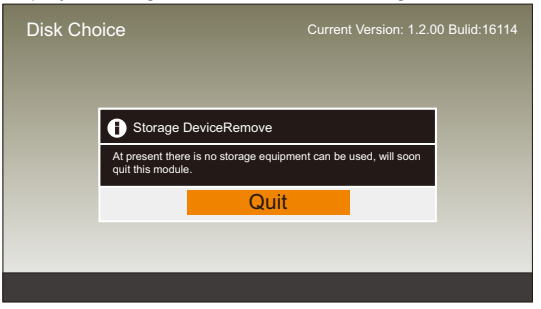


Figure 1

When you insert a USB disk, the interface shown as shown in Figure 2.
OK key: to enter the selected letter.

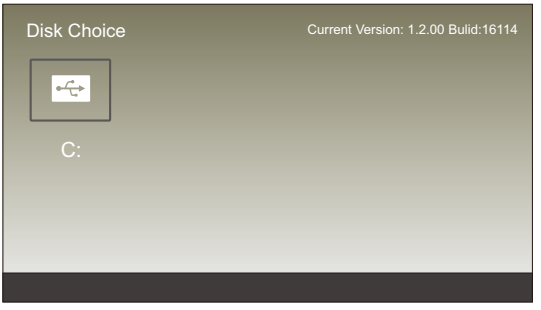
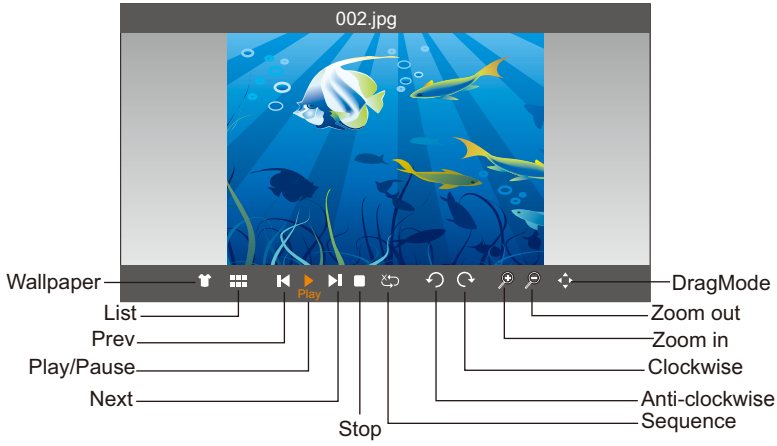


Figure 2

USB support character

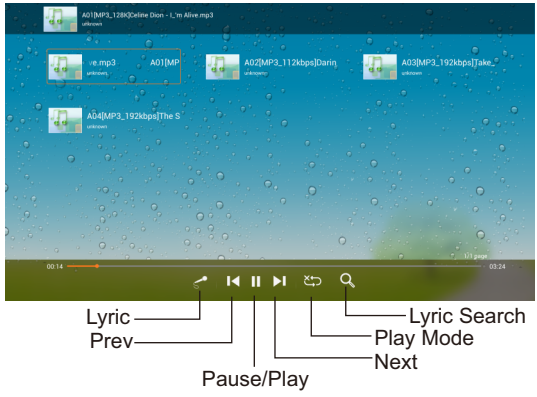
1. Photo

Press menu button to play/exit the "photo menu". Those menu items from left to right function as the following in turn:
a.Wallpaper b.List c.Prev d.Play/Pause e.Next f.Stop g.Sequence h.Anticlockwise i.Clockwise j.Zoom in k.Zoom out l.DragMode



2. Music

Those menu items from left to right function as the following in turn:
a.Lyric b.Prev c.Pause/Play d.Next e.Play Mode f.Lyric Search



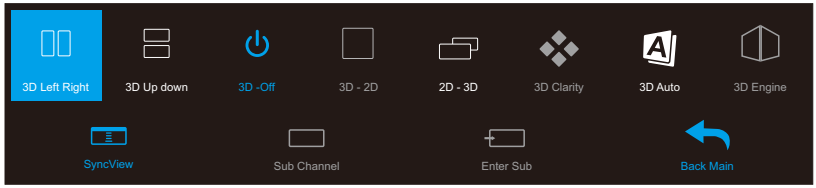
USB support character

3. Movie

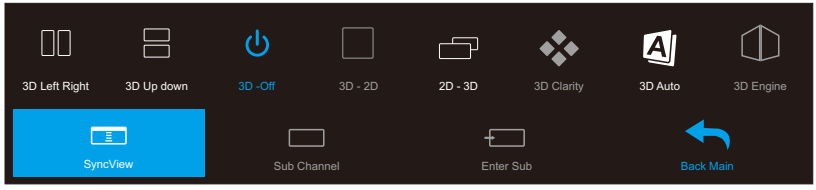
Press menu button to play/exit the "movie menu".
Those menu items from left to right function as the following in turn:
a.Prev b.Pause/Play c.Next d.Stop e.Advanced setting

4. Sync View

Press 2D/3D button to open the Sync View menu. This menu has two group functions, the top row functions for 3D settings (pg.31 for details), while the bottom row functions for Sync View. (SyncView Only use in USB mode.)

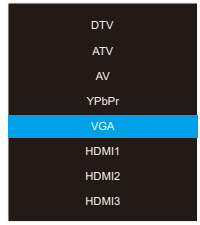


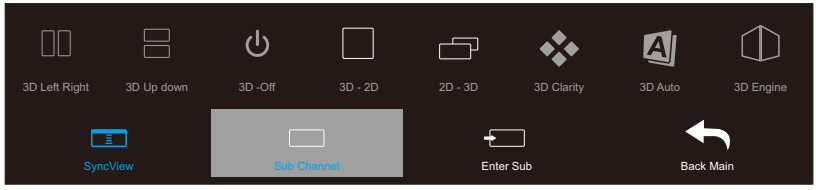
Select the Sync View item and press OK to enter the Sync View mode.



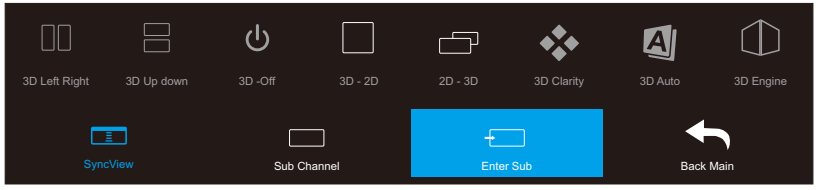
USB support character

Select the Sub Channel item and press OK to open the Sub Channel selection menu.
Press “▲/▼” key and press OK to select a channel.

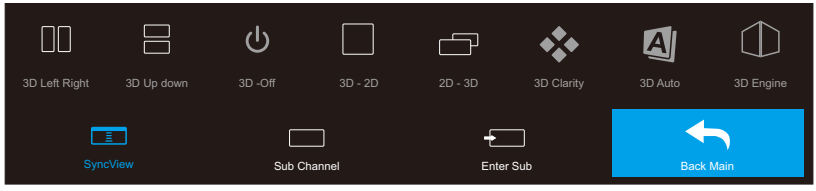




Select the Enter Sub item and press OK to enter the sub channel you want.



Select the Back Main item and press OK to exit sync view.



Troubleshooting

If you have any problem, check the countermeasures for each symptom listed below. The following symptoms may have been. caused by inappropriate adjustment rather than actual malfunction of the unit. If the trouble persists, contact the Customer Care Centre at help.kogan.com

Symptoms	Possible solutions
No power	Please check the power cord plugged in and that the power outlet works. Unplug the power cord and plug it in after 60 seconds and restart the TV.
No picture	Please check antenna connection. Station may be experiencing problems, please tune to another station. Please adjust the settings of contrast and brightness.
Good picture but no sound	Please increase the volume. Please check TV is under mute mode, press MUTE button on the remote control. Please check sound settings If external devices are being used, check their volumes are not set too low or turned off. If using AVI or Component inputs, please make sure cables are connected properly and not loose. If using DVI to HDMI cable, a separate audio cable is required. Make sure a headphone jack is not connected..
Good sound but abnormal color or no picture	Please check antenna connection and antenna condition. If using Component inputs, please check Component connections, as incorrect or loose connections may cause colour problems or cause the screen to be blank.
No response to remote control	Batteries of remote control may have exhausted, if necessary, please change the batteries. Clean the remote control lens. The distance between LED TV and remote control should be within 8m, within recommended operating angle and path is free of obstructions.
Full screen flickering under VGA	V-HEIGHT value may be set too big, restart computer and enter safe mode, then set monitor parameters to correct value according to adjustment description.
Horizontal stripes under VGA	Sample phase may be deflected, adjust phase according to picture position.
Colored dots may be present on the screen	Although the LED screen is made with high-precision technology and 99.99% or more of the the pixels are effective, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LED screen. This is a structural property of the LED screen and not a malfunction.
Picture is breaking up	Keep the TV away from noisy electrical sources such as cars, hair dryers, welders, and all optional equipment. Electrical atmospheric interference such as local or distant lightning storms may cause picture to break up. When installing optional equipment, leave some space between the optional equipment and the TV. Check the antenna and connection. Keep the antenna away from any power or input/output cables.

Troubleshooting

After Auto Tuning only some channels are available	Check your area is covered by Digital Video Broadcasts. Try re-tuning or manually tuning missing channels. Check that you are using the correct antenna type - please see pg.16 'Antenna connection'.
Channel cannot be selected	Check if the channel has been blocked in the main menu settings.
USB not playing	Please check connecting USB cable and power supply is connected.Hard drive has not been formatted. Please make sure USB disk is compatible and the multimedia data formats are supported.
Picture is distorted, macroblock, small block, dots, pixelization, etc	Compression of video contents may cause distortion especially on fast moving pictures such as sports and action movies.
Noise from speaker	Check cable connections, make sure a video cable is not connected to an audio input. Low signal level may cause sound distortion.
TV turns off automatically	Check if the Off Timer is set to On in the Setup menu. Sleep Timer may have been enabled. If there is no signal for about 10 minutes from an input, the TV will turn off, see Auto Sleep pg. 33. If connected to your PC, check your PC power settings. Make sure the AC power cord is plugged in securely to the wall outlet and the TV.
TV turns on automatically	Check if the On Timer is set to On in the Setup menu.
Picture is not shown in full screen	Black bars on each side will be shown on HD channels when displaying SD (4:3) contents. Black bars on Top & Bottom will be shown on movies that have aspect ratios different from your TV. Adjust picture size option on your external device or TV to full screen.

Picture defects and the reason

Snowy Picture

Snowy picture is usually due to weak signal. Adjust antenna or install an antenna amplifier.

Double Image or Ghosts

Double images are usually caused by reflections from tall buildings. Adjust the direction of the antenna or raise it.

Ghosting may also occur when still pictures are displayed continuously. It may disappear after a few moments.

Radio Wave Interference

Wave patterns are moving on the screen, which are usually caused by nearby radio transmitters or short-wave receiving equipment.

High Temperature Electrothermal Interference

Diagonal or herringbone patterns appear on the screen or part of picture is missing. This is probably caused by high temperature electrothermal equipment in a nearby hospital.